PATENT COOPERATION TREAT

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220			
RLL-482WO	ACTION	as well	as, where applicable, item 5 below.		
International application No.	International filing date (day/mor	th/year)	(Earliest) Priority Date (day/month/year)		
PCT/IB2005/000132	19/01/2009	5	19/01/2004		
Applicant					
RANBAXY LABORATORIES LIMI	TED				
KANDAXI DADOKATOKIES DIMI					
This International Search Report has becaccording to Article 18. A copy is being t			nority and is transmitted to the applicant		
This International Search Report consist	s of a total of 8 si	neets.	·		
X It is also accompanied b	y a copy of each prior art document	cited in this	report.		
	e international search was carried ou nless otherwise indicated under this		sis of the international application in the		
	search was carried out on the basi		ation of the international application furnished t	ю.	
b. With regard to any nucle	eotide and/or amino acid sequenc	e disclosed	in the international application, see Box No. I.		
2. Certain claims were for	und unsearchable (See Box II).			_	
3. X Unity of invention is la	cking (see Box III).			BEST AVAILABLE	
4. With regard to the title,				1	
the text is approved as s	ubmitted by the applicant.				
X the text has been establi	shed by this Authority to read as foll	ows:			
AMORPHOUS MAGNESIUM S.	ALTS OF ROSUVASTATIN •				
	•			<u> </u>	
				13	
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			9		
				COPY	
5. With regard to the abstract,					
the text is approved as s	ubmitted by the applicant.				
			y as it appears in Box No. IV. The applicant th report, submit comments to this Authority.		
6. With regard to the drawings ,					
a. the figure of the drawings to be	oublished with the abstract is Figure	No			
as suggested by					
	is Authority, because the applicant f	ŭ			
	is Authority, because this figure bett	er characte	rizes the invention.		
b. X none of the figures is to be	e published with the abstract.				

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The invention provides the novel amorphous rosuvastatin magnesium and process for preparation thereof from crystalline rosuvastatin magnesium, rosuvastatin methyl ammonium salt and from rosuvastatin lactone.

Rosuvastatin magnesium is, chemically, (3R,5S,6E)-7-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[methyl(methylsulfonyl)amino]-5-pyrimidinyl]-3,5-dihydroxy-6-heptenoic acid, magnesium salt (2:1) of Formula I.

FORMULA I

Rosuvastatin magnesium is an antihypercholesterolemic drug used in the treatment of atherosclerosis.

CT/IB2005/000132

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D239/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 CO7D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ	WO 01/60804 A (ASTRAZENECA AB; ASTRAZENECA UK LIMITED; SHIONOGI & CO., LTD; TAYLOR, N) 23 August 2001 (2001-08-23) cited in the application claim 15; example 10	1-19
X	claims 1,11,15; example 9	6,7
Υ	US 6 589 959 B1 (TAYLOR NIGEL P) 8 July 2003 (2003-07-08) cited in the application column 2, lines 11-40	1-19
X	EP 0 521 471 A (SHIONOGI SEIYAKU KABUSHIKI KAISHA) 7 January 1993 (1993-01-07) cited in the application page 2, lines 12-45; claim 1; examples 1,7 page 2, line 53 - page 4, line 15	1-5, 17-19

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.				
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family 				
Date of the actual completion of the international search . 30 June 2005	Date of mailing of the international search report 1. 8. 07. 05				
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Schuemacher, A				

5

·-- ernational Application No
· . CT/IB2005/000132

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α .	WO 03/016317 A1 (TEVA PHARMACEUTICAL INDUSTRIES LTD., ISRAEL; TEVA PHARMACEUTICALS USA,) 27 February 2003 (2003-02-27) page 2, lines 15-32; claim 24; examples 7,8	16
Р,А	WO 2004/014872 A1 (ASTRAZENECA UK LIMITED, UK) 19 February 2004 (2004-02-19) page 2, lines 18-30; claims 1,15	16
Ρ, Χ	WO 2004/108691 A1 (ASTRAZENECA UK LIMITED, UK) 16 December 2004 (2004-12-16) page 15, lines 8-15; claim 1	1-19
Ξ	WO 2005/021511 A1 (HETERO DRUGS LIMITED, INDIA) 10 March 2005 (2005-03-10) claims 1,6	1-19
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International application No. PCT/IB2005/000132

INTERNATIONAL SEARCH REPORT

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. χ	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claim 19 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1. X	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
	f .
	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5,8-15,17

amorphous rosuvastatin magnesium salt and the process for its preparation

2. claims: 6,7

process for the preparation of crystalline rosuvastatin magnesium salt $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left$

3. claim: 16

process for the preparation of rosuva statin calcium salt $% \left(1\right) =\left(1\right) \left(

4. claim: 18 and 19

pharmaceutical composition comprising rosuvastatin magnesium salt and its use as HMG-CoA reductase inhibitor in the treatment of hyperlipidemia

 $1 :_{\mathbb{S}^{n-1}} \text{aation on patent family members}$

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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